

Figure 1a

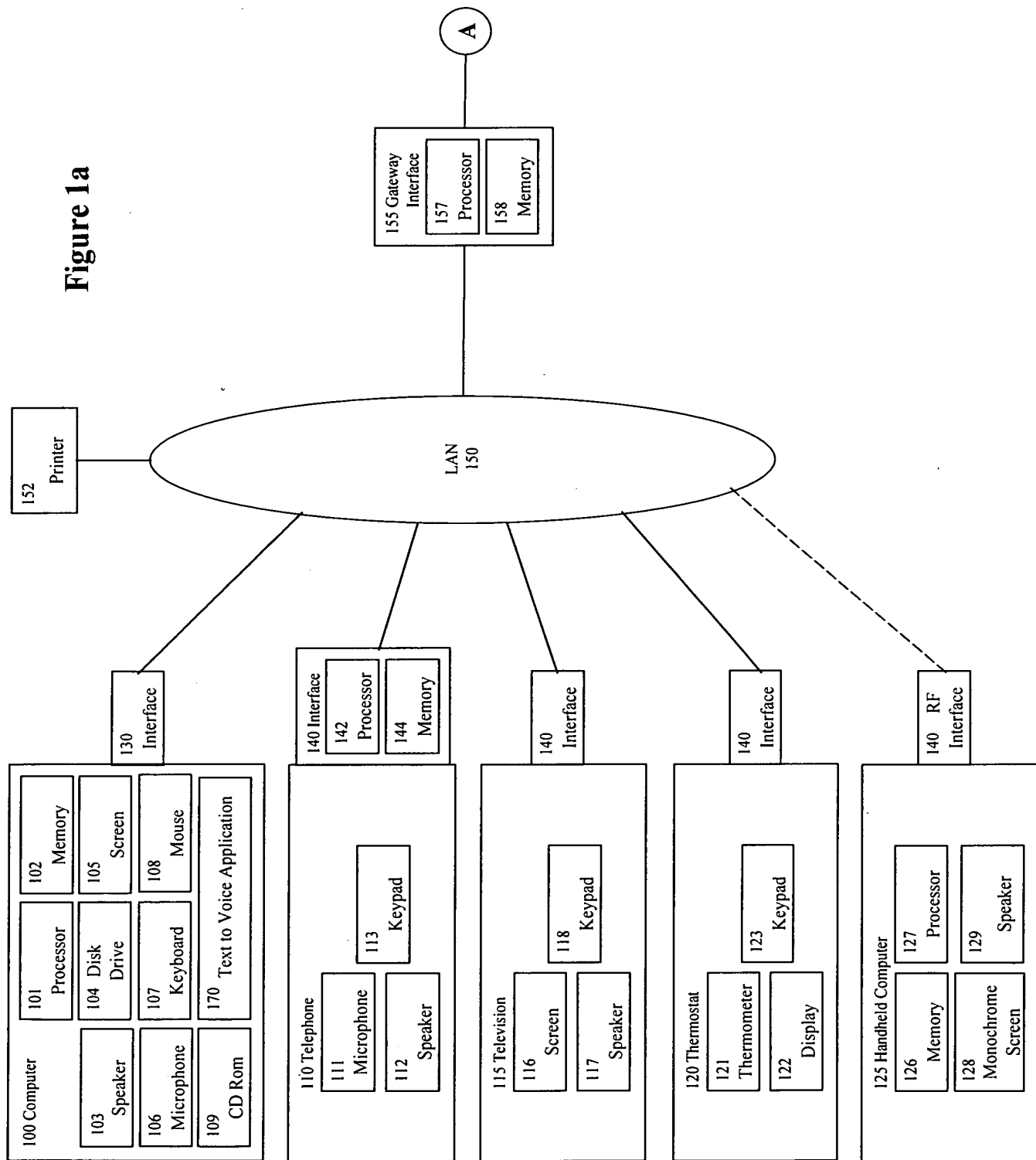
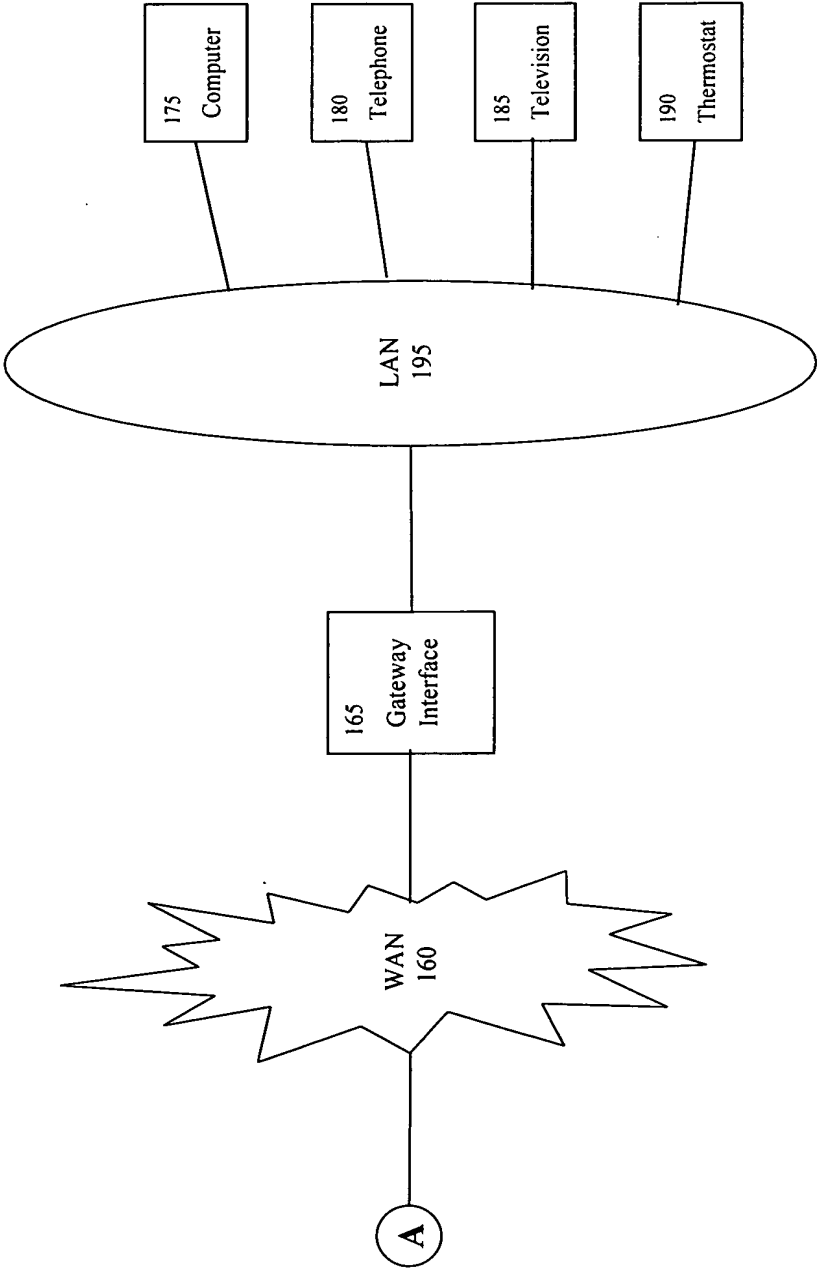


Figure 1b



**Figure 2**

**Table of Known Appliances**

Appliance ID	Friendly Name	Browse URL	Image URL	Routing Address String	Heartbeat Counter	Leave Flag
10.1.1.2	Downstairs TV	http://10.1.1.2/DownstairsTVResources.html	http://10.1.1.2/.../TV.gif	MediaRouter/UDP/IP	6	0
10.1.1.5	Den PC	http://10.1.1.5/.../DenPC.html	http://10.1.1.5/.../PC.gif	MediaRouter/TCP/IP	5	0

**FIGURE 3a**

**Table of Resources On An Appliance**

Resource Name	Resource Image URL	Configure URL	Content Type Address String
Monochrome Screen	http://.../monitor.gif	http://.../monitor.html	RemoveColor/RemoteTarget (Screen)
Speaker	http://.../monitor.gif	http://.../volume.html	RemoteTarget (Speaker)

**FIGURE 3b**

**Table of Special Cases**

Source Media	Special Address
GIF	GIFtoJPEG/RemoteTarget (Screen)/MediaRouter/TCP/IP

Figure 4

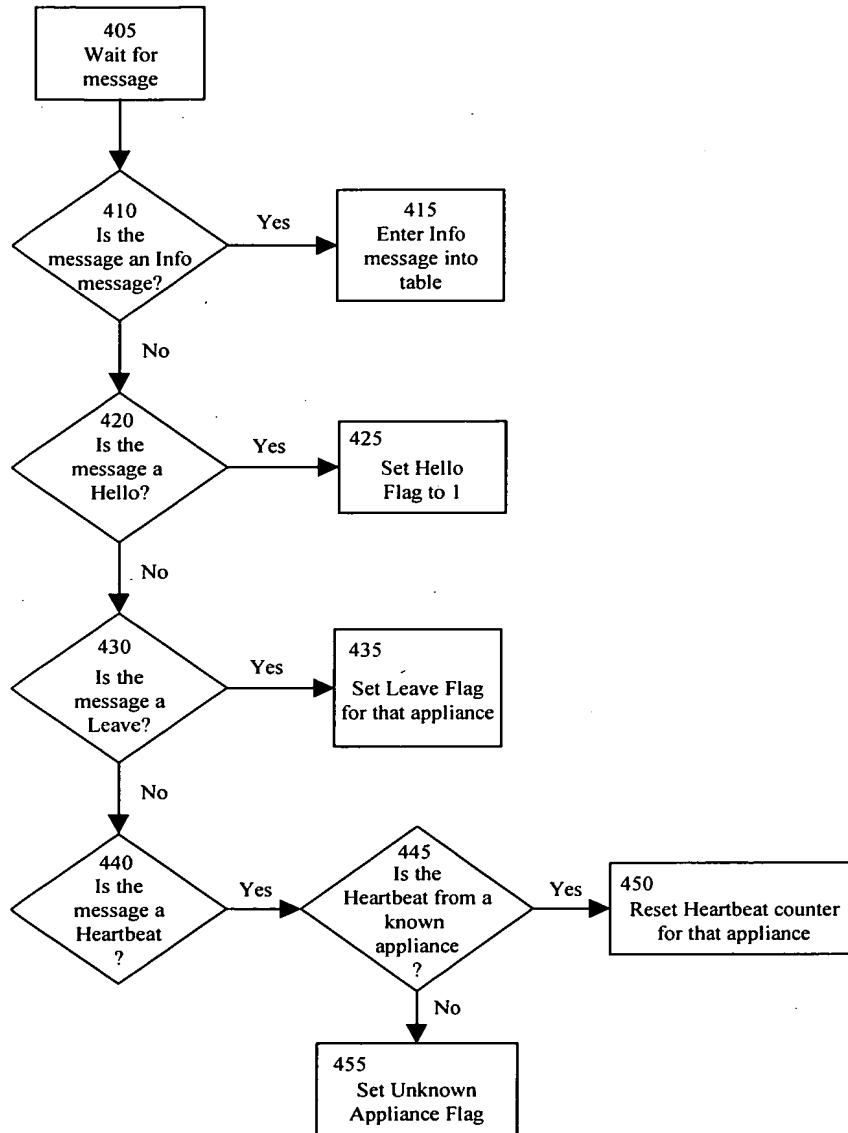
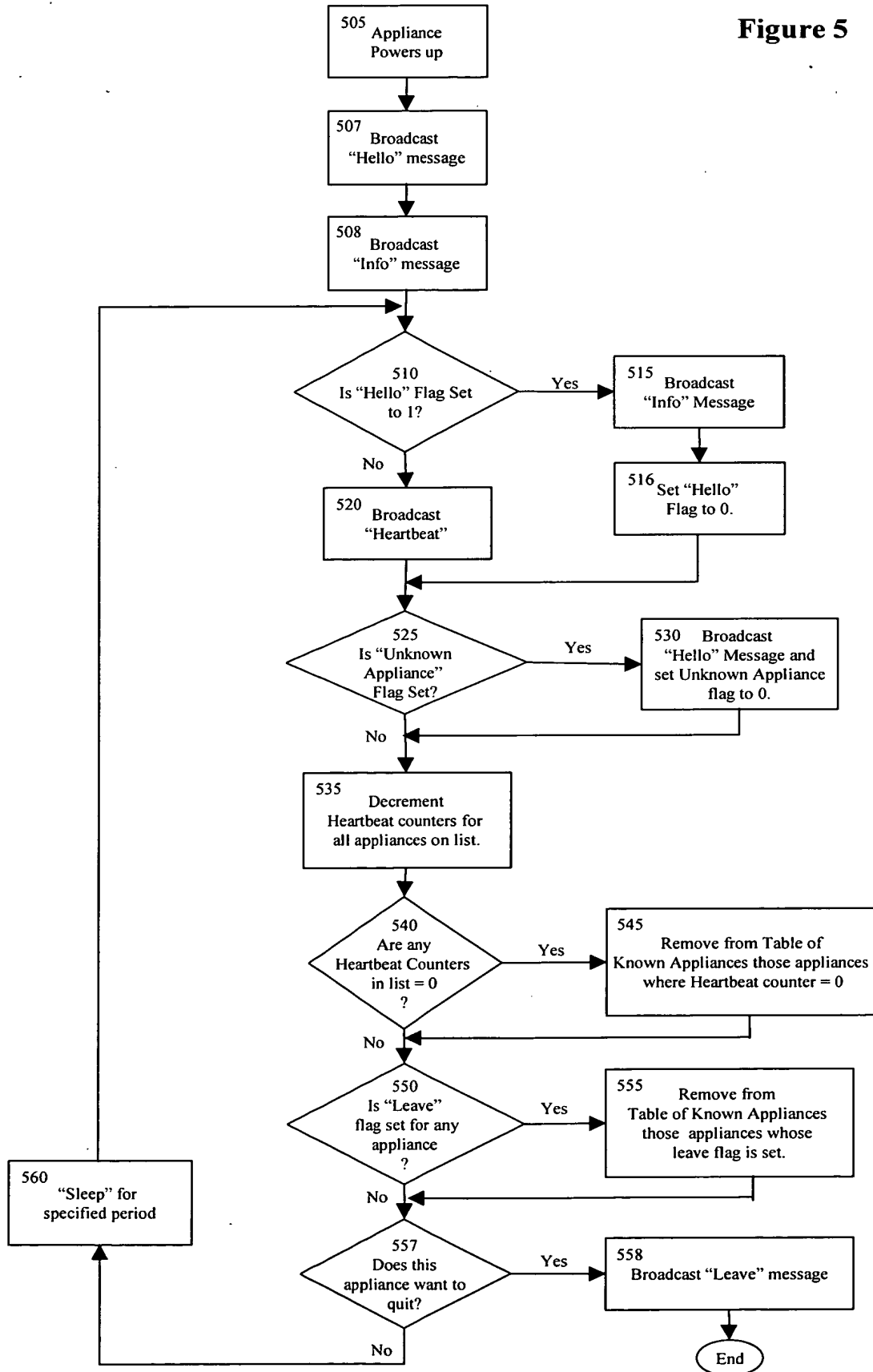
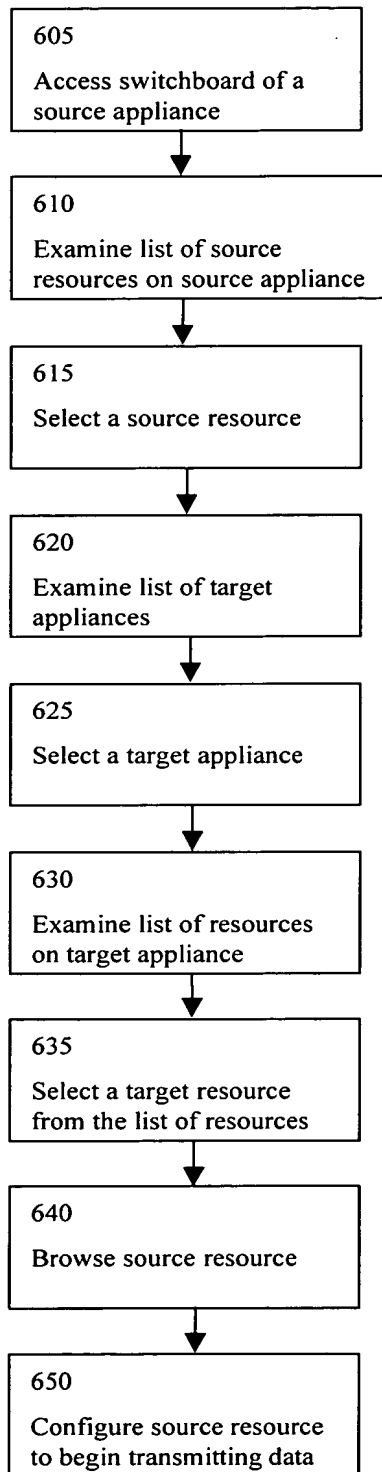


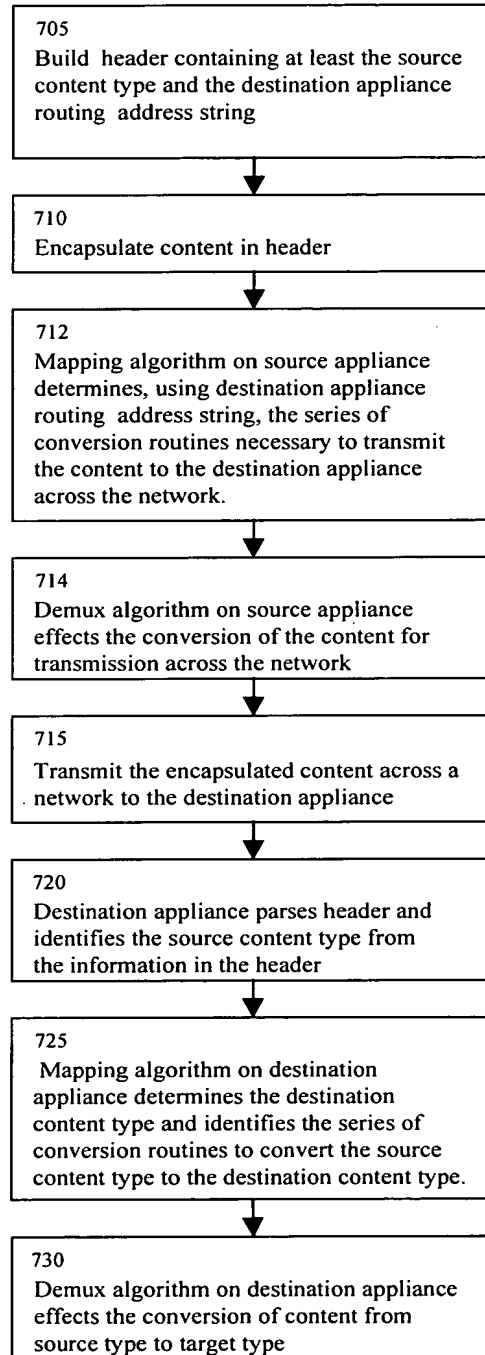
Figure 5



**Figure 6**

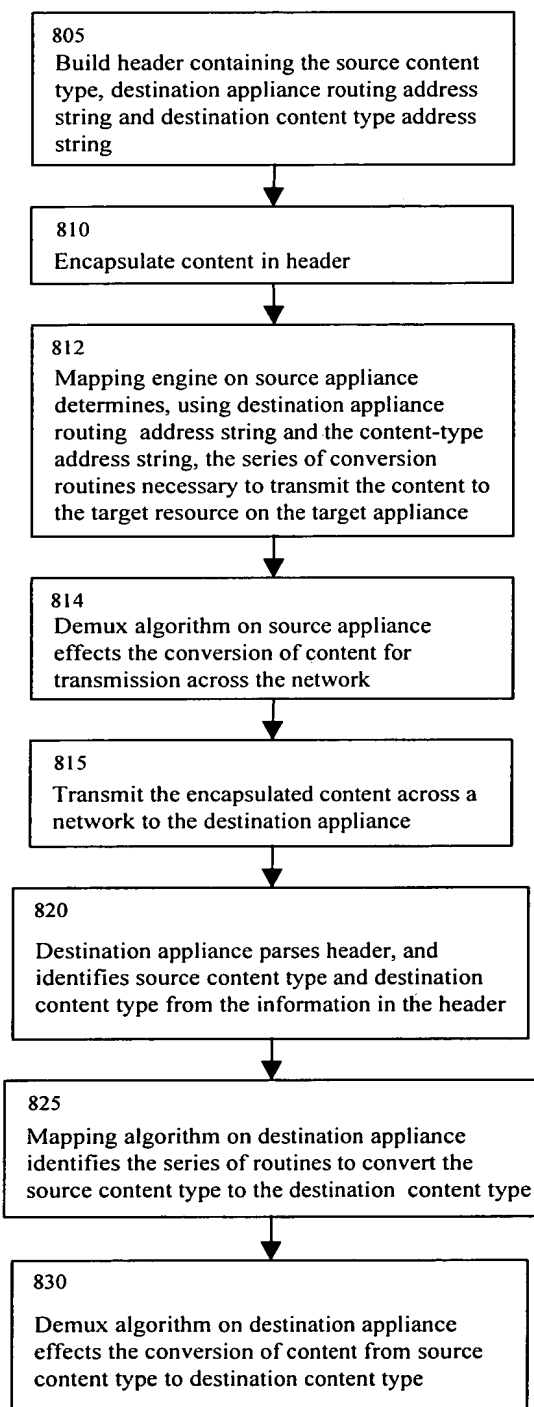


**Figure 7**





**Abstract**



**Figure 9A**

Switchboard for Computer 101

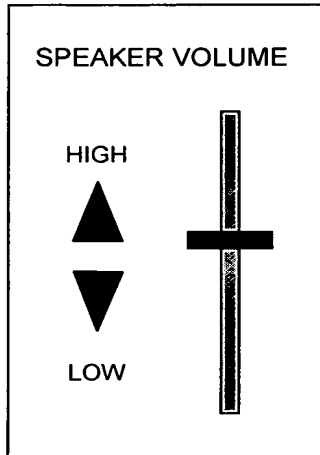
<u>Sources</u>	<u>Targets</u>
Den PC	Den PC
CD Rom	Screen
Disk Drive	Speaker
Mouse	Disk Drive
Keyboard	Telephone
Microphone	Speaker
	Downstairs TV
	Screen
	Speaker
	Thermostat
	Handheld Computer
	Monochrome Screen
	Speaker

**Figure 9B**

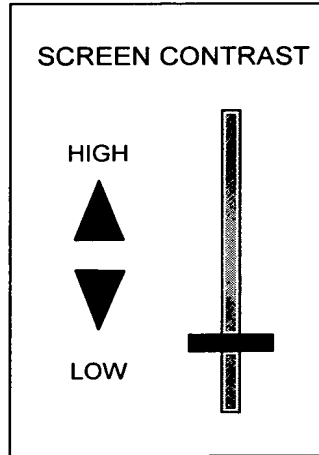
Switchboard for Telephone 110

<u>Sources</u>	<u>Targets</u>
Telephone	Telephone
Microphone	Speaker
Keypad	Den PC
Speaker	Screen
	Speaker
	Disk Drive
	Microphone
	Downstairs TV
	Screen
	Speaker
	Thermostat
	Handheld Computer
	Monochrome Screen
	Speaker

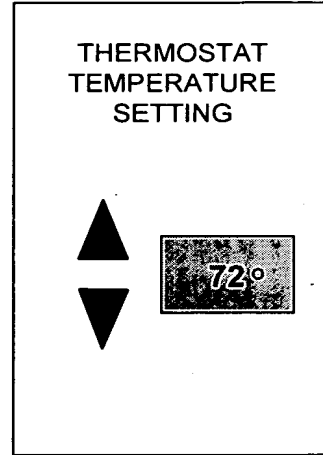
**FIG 10a**



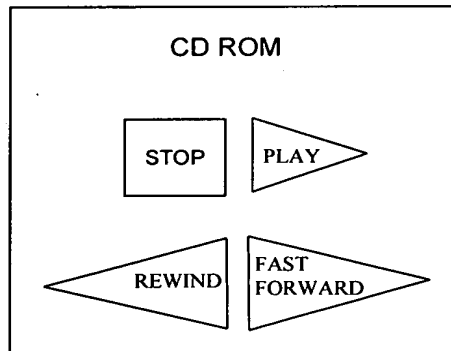
**FIG 10b**



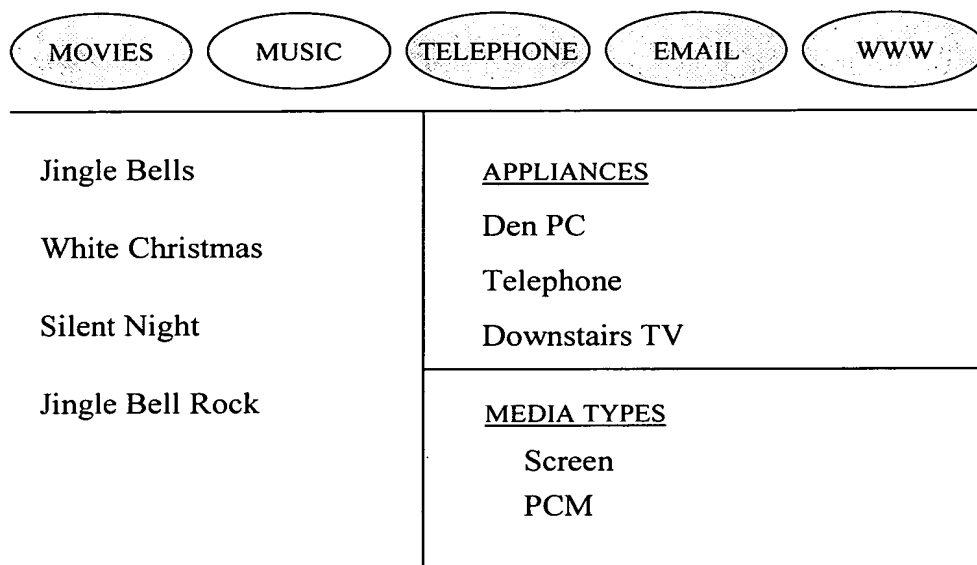
**FIG 10c**



**FIG 10d**



**Figure 11**



**Figure 12a**

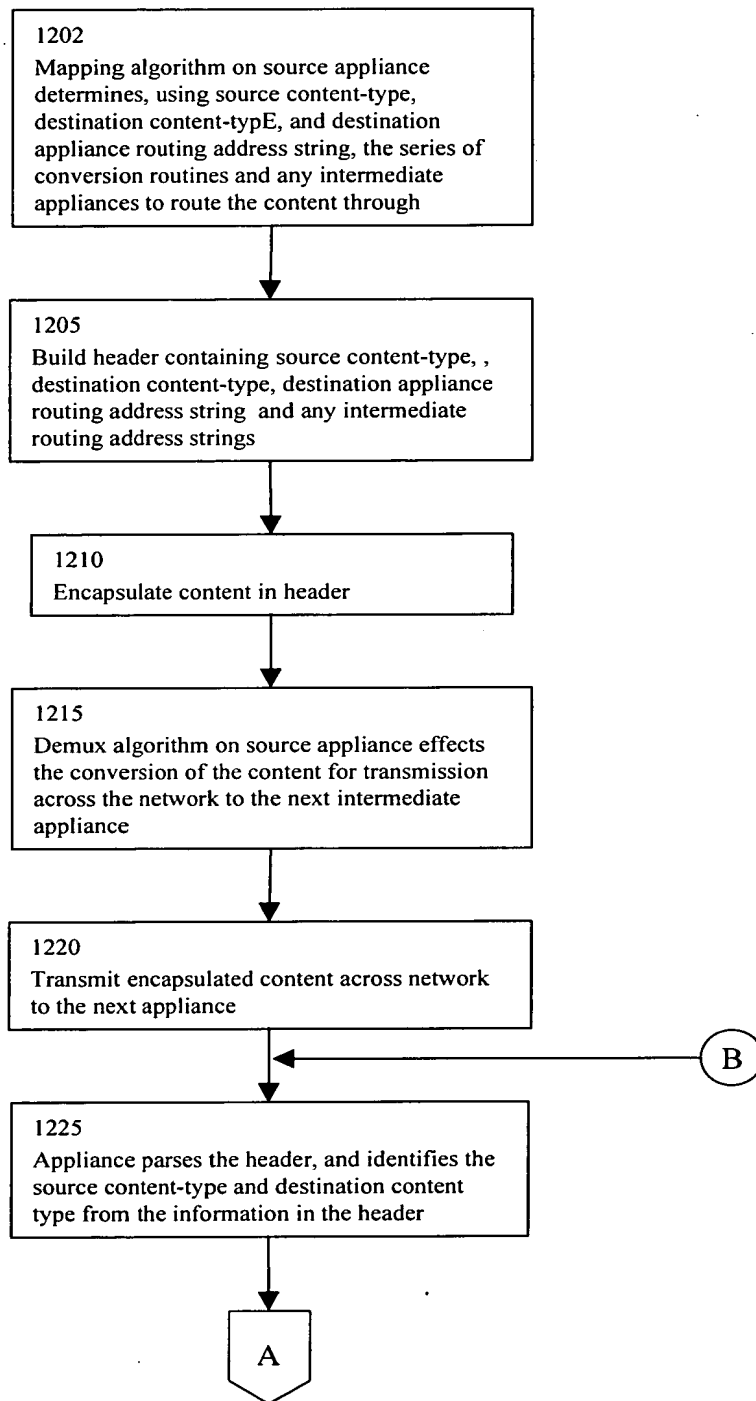


Figure 12b

